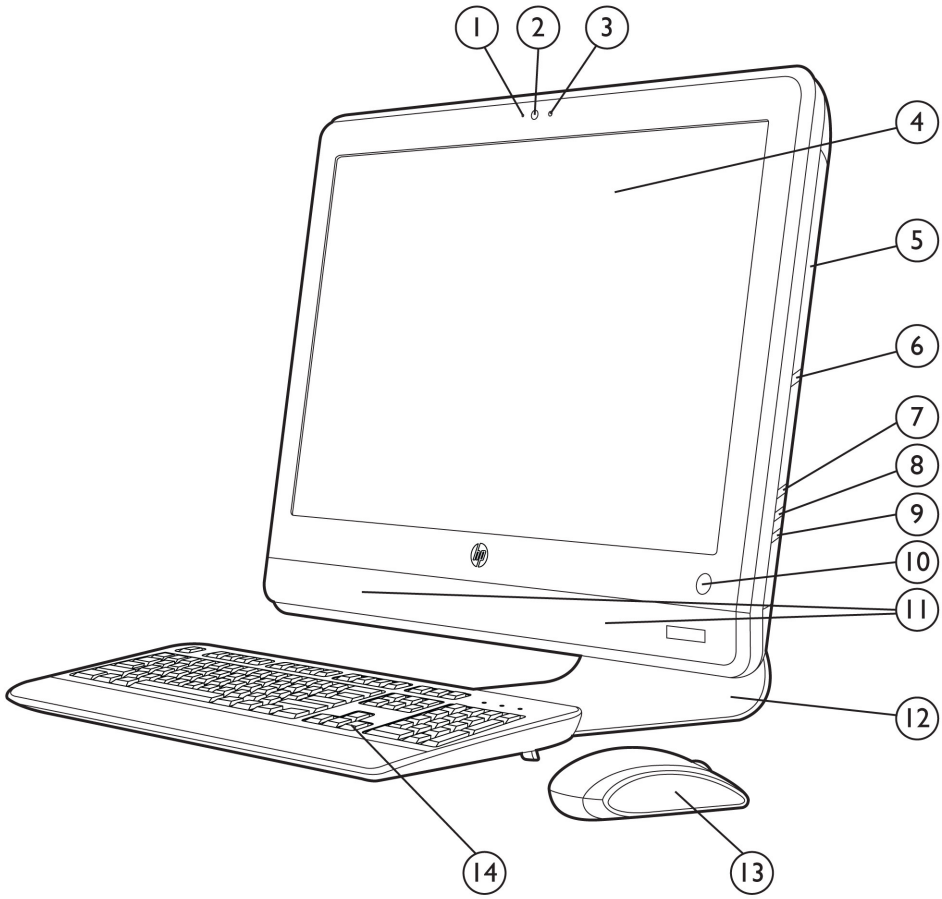
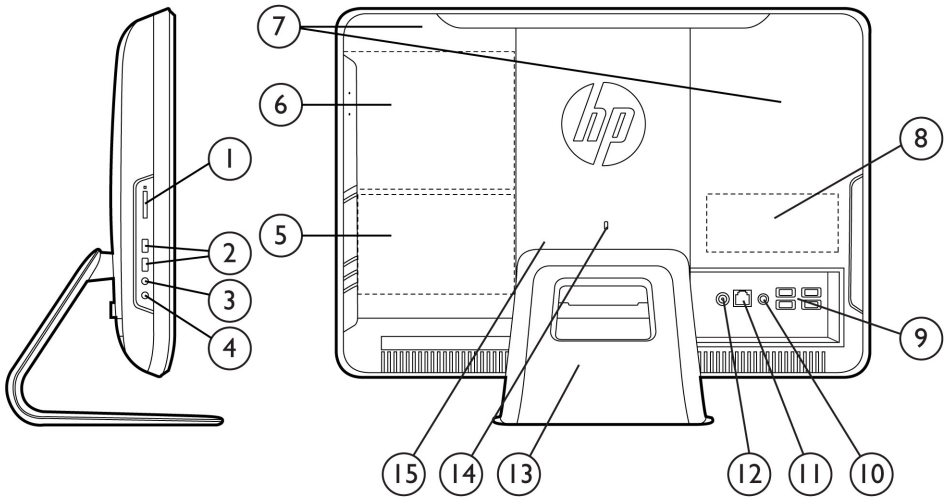
Overview



1. Webcam Activity LED
2. Webcam
3. Microphone
4. 23-inch diagonal 16:9 widescreen LED-backlit full HD LCD display
5. Tray-load optical drive with activity LED
6. Optical drive eject button
7. Brightness increase button
8. Brightness decrease button
9. Hard drive activity LED
10. Power button and LED
11. High-performance stereo speakers
12. Adjustable tilt stand
13. HP optical mouse*
14. HP keyboard* with numeric keypad

* Wired or optional wireless

Overview



1. HP 6-in-1 Media Card Reader
2. (2) USB 2.0 ports
3. Microphone jack
4. Headphone jack
5. Hard drive location
6. Optical drive location
7. Removable access panels
8. Memory location
9. (4) USB 2.0 ports
10. Stereo audio line out
11. RJ-45 Gigabit Ethernet port
12. Power connector with LED indicator
13. Adjustable tilt stand
14. Security lock slot
15. Center access panel

At A Glance

- Genuine Windows 7 Professional 32 and 64
- 23-inch diagonal widescreen WLED backlit anti-glare LCD
- Integrated all-in-one form factor
- Intel® Q67 Express chipset
- Intel 2nd generation Core™ processors
- Intel vPro™ Technology available with select processors
- Integrated Intel HD Graphics
- Integrated Gigabit Network Connection (10/100/1000 NIC)
- Optional wireless connectivity:
  - Intel Centrino Advanced-N 6205 Wireless NIC (mini PCI Express)
  - WLAN and Bluetooth Combo Card
- 802.11 b/g/n
- Bluetooth® 3.0
- Integrated 1.3 MP webcam
- SRS Premium Sound and premium stereo speakers
- Up to 8 GB of DDR3 SDRAM, dual channel memory support, two SODIMM slots
- Up to 1 TB SATA hard drive, up to 160 GB Solid State Drive and a 320 GB Self-Encrypting Drive
- Slim Tray-load Blu-ray Combo Drive (Blu-ray Reader/DVD Writer), SuperMulti DVD Writer, or DVD ROM
- 6-in-1 Media Card Reader
- ENERGY STAR® qualified. EPEAT® registered where applicable/supported. See www.epeat.net for registration status by country.

Standard Features

Processors	**Intel® 2nd Generation Core™ i7 Processors** Intel Core i7-2600S Processor (2.80 GHz, 8M cache, 4 cores/8 threads, 65W)* Featuring Intel® vPro Technology Intel HD Graphics 2000 **Intel® 2nd Generation Core™ i5 Processors** Intel Core i5-2500S Processor (2.70 GHz, 6M cache, 4 cores/4 threads, 65W)* Featuring Intel® vPro Technology Intel HD Graphics 2000 Intel Core i5-2400S Processor (2.50 GHz, 6M cache, 4 cores/4 threads, 65W)* Featuring Intel® vPro Technology Intel HD Graphics 2000 Intel Core i5-2500T Processor (2.30 GHz, 6M cache, 4 cores/4 threads, 45W)* Featuring Intel® vPro Technology Intel HD Graphics 2000 Intel Core i5-2390T Processor (2.70 GHz, 3M cache, 2 cores/4 threads, 35W)* Featuring Intel® vPro Technology Intel HD Graphics 2000 **Intel® 2nd Generation Core™ i3 Processors** Intel Core i3-2120 Processor (3.30 GHz, 3M cache, 2 cores/4 threads, 65W)* Intel HD Graphics 2000 Intel Core i3-2105 Processor (3.10 GHz, 3M cache, 2 cores/4 threads, 65W)* Intel HD Graphics 3000 Intel Core i3-2100 Processor (3.10 GHz, 3M cache, 2 cores/4 threads, 65W)* Intel HD Graphics 2000 **Intel® Pentium™ Processors** Intel Pentium G850 Processor (2.90 GHz, 3M cache, 2 cores/2 threads, 65W)* Intel HD Graphics Intel Pentium G840 Processor (2.80 GHz, 3M cache, 2 cores/2 threads, 65W)* Intel HD Graphics Intel Pentium G620 Processor (2.60 GHz, 3M cache, 2 cores/2 threads, 65W)* Intel HD Graphics * Intel's numbering is not a measurement of higher performance.

Operating System	Preinstalled	Genuine Windows 7 Professional 64* Genuine Windows 7 Professional 32* Genuine Windows 7 Ultimate 64* Genuine Windows 7 Home Premium 64* Genuine Windows 7 Home Basic 32* FreeLnx
	Supported	Genuine Windows 7 Enterprise Genuine Windows Vista Enterprise Genuine Windows XP Professional
	Certified	Novell SUSE Linux Enterprise Desktop 11

* System may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality.
See http://www.microsoft.com/windows/windows-7/ for details.

Standard Features

Chipset	Intel Q67 chipset
Intel Core i5 with vPro/Core i7 with vPro technology capable	Intel Core i5 with vPro and Core i7 with vPro technology is a selectable feature that is available on units configured with select processors, and a preinstalled Windows operating system. It provides advances in remote manageability, security, energy efficient performance, and wireless connectivity. Intel Active Management Technology 7.0 (iAMT) offers an advanced set of remote management features and functionality which provides network administrators the latest and most effective tools to remotely discover, heal, and protect networked client systems regardless of the system's health or power state. AMT 7.0 includes the following advanced management functions: • Power Management (on, off, reset) • Hardware Inventory (includes BIOS and firmware revisions • Hardware Alerting • Agent Presence • System Defense Filters • SOL/IDER • Cisco NAC/SDN Support • ME Wake-on-LAN • DASH 1.1 compliance • IPv6 Support • Fast Call for Help - a client inside or outside the firewall may initiate a call for help via BIOS screen, periodic connections, or alert triggered connection • Remote Scheduled Maintenance - pre-schedule when the PC connects to the IT or service provider console for maintenance. Remote PCs can get required patches, be inventoried, etc by connecting to their IT console or Service Provider when it's convenient • Remote Alerts - automatically alert IT or service provider if issues arise • Access Monitor - Provides oversight into Intel® AMT actions to support security requirements • PC Alarm Clock • Microsoft NAP Support • Host Base set-up and configuration • Management Engine (ME) firmware roll back • Wireless AMT functionality on Desktop (WoDT)* • Enhanced KVM resolution * Requires Intel 802.11a/b/g/n PCIe Minicard Wireless Module
Graphics	Integrated Intel HD Graphics 2000/3000 or Integrated Intel HD Graphics Models with Intel Core i3/i5/i7 processors include HD 2000 or HD 3000 graphics. Models with Pentium processors include HD graphics. Please see specific processors for graphics configuration.
Display	23-inch diagonal widescreen, full HD WLED anti-glare display, tilt adjustment
Resolution	1920 x 1080 resolution (16:9)
Contrast ratio	1000:1 typical
Image brightness	250 nits typical
Viewing angle (typical)	Up to 170° horizontal/160° vertical typical
Pixel Pitch	0.265mm

Standard Features

Adjustable Tilt Stand	Tilt angle	-5° to +25° to the vertical plane
Memory	Standard Configurations	PC3-10600 DDR3 non-ECC SDRAM (runs at 1333 MHz) Two 204-pin SODIMM slots supporting dual channel memory 2 GB SODIMMs (up to 2 for 4 GB memory) 4 GB SODIMMs (up to 2 for 8 GB memory)
	Maximum memory	Upgradeable to 8 GB using two (2) 4 GB SODIMMs
	Dual-channel	Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.
	NOTE: Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.	
Communications	Intel 82579LM Gigabit Network Connection	Integrated 10/100/1000 NIC*
	Intel 802.11a/b/g/n Wireless 6205 PCIe Minicard (optional)	Support for 802.11 a/b/g/n Up to 300 mbps data rate
	HP 802.11b/g/n Wireless Minicard with Bluetooth Combo (optional)	Support for 802.11 b/g/n Up to 300 mbps data rate Bluetooth 3.0 compliant Works with a wide range of Bluetooth devices
	* The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.	
Keyboard	HP USB Keyboard	104 keys plus special keys for Mute, Volume Up, Volume Down. Separate numeric keypad. Cable length 51 in (130 cm)
	HP Wireless Keyboard (optional)	104 keys plus special keys for Mute, Volume Up, Volume Down Separate numeric keypad. Operates at ~ 2.4 GHz and supports a working distance of up to 32 ft (10 m).
Pointing Device	HP USB Optical Scroll Mouse	Two buttons with scroll wheel acting as third button. Cable length 69 in (175 cm)
	HP Wireless Optical Scroll Mouse (optional)	Two buttons with scroll wheel acting as third button. Operates at ~ 2.4 GHz and supports a working distance of up to 32 ft (10m).

Standard Features

Storage	Hard Drive	3.5-inch, 7200 rpm, 6.0 Gb/s SATA: 250 GB 500 GB 750 GB 1 TB
	Solid State Drive	2.5-inch 3.0 Gb/s, Smart IV SATA Solid State Drive: 80 GB 120GB 160 GB
	Self-Encrypting Drive	2.5-inch 7200 rpm, 6.0 Gb/s SATA 320 GB
	Optical Drive (tray load)	HP Slim Tray Load SuperMulti DVD Writer HP Slim Tray Load Blu-ray Combo Drive (Blu-ray Reader/DVD Writer) HP Slim Tray Load DVD ROM
	6-in-1 Media Card Reader	Supports Secure Digital (SD, SDHC), MultiMedia Card (MMC), xD-Picture Card, Memory Stick, Memory Stick Pro
I/O Slots	Half-Length Mini PCIe x1	One (used by optional Wireless LAN module)
Ports	USB 2.0	Six (2 side, 4 rear)
	Microphone in	One (side)
	Headphone jack	One (side)
	Stereo audio line out	One (rear)
	Power connector	One (rear)
	RJ-45/Ethernet	One (rear)
Audio/Visual		Realtek ALC269 codec Integrated business class 2.0 speakers (2W x 2) with SRS premium Sound audio post-processing software Integrated microphone Volume control and mute buttons Stereo headphone jack Microphone in Stereo line out Integrated 1.3 MP webcam Up to 30 frames/sec

Standard Features

Software	**Preinstalled software** (varies by country)	HP Protect Tools v 6.0 HP Setup HP VirtualRoom trial (60-day) HP MyRoom (free download available)*** PDF Complete Norton Internet Security (60-day trial)* Microsoft Office Starter 2010 Preloaded (purchase of a Product Key required to activate a full Office 2010 suite)**
	Optional (varies by country)	Corel WinDVD Roxio Creator Business

* 60 day trial period for Norton Internet Security software. Internet access required to receive updates. First update included. Subscription required for updates thereafter.
** Microsoft Office 2010 Preloaded includes reduced functionality versions of Word and Excel. Purchase of Product Key required to activate full Office 2010 suite available at participating resellers/retailers and http://www.office.com.
*** HP MyRoom may be downloaded at: https://www.rooms.hp.com/myroom

HP Power Assistant (Optional)	Provides real-time reporting of how system settings impact the energy consumed by the PC and the potential savings over time.
Manageability	DASH 1.1 Management Protocol Intel® vPro Technology
SMBIOS	System Management BIOS, previously known as DMI BIOS, is used to store system management information.
Security	Security lock slot USB port disable Trusted Platform Module (TPM) 1.2* *TPM module disabled where use is restricted by law
Power Supply	External 150-watt power supply, 87% efficiency, active PFC, 100-240V AC
Service and Support	On-site Warranty[Note 1]: Three-year (3-3-3) limited warranty delivers three years of on-site, next business-day[Note 2] service for parts and labor and includes free telephone support[Note 3] 24 x 7. Three-year onsite and labor are not available in all countries. Service offers terms up to 5 years by choosing a Carepack. To choose the right level of service for your HP product, visit HP Care Pack Central: www.hp.com/go/cpc NOTE 1: Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region. NOTE 2: On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country. NOTE 3: Technical telephone support applies only to HP-configured Compaq and third-party HP-qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.

Options

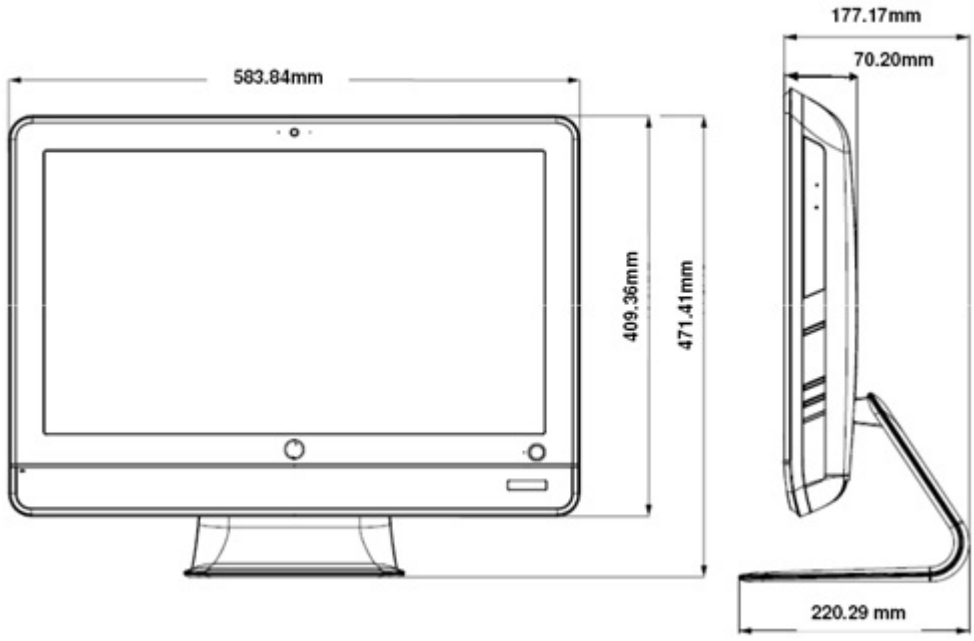
Memory	HP 1 GB DDR3-1333 (PC3-10600) SODIMM	VH639AA
	HP 2 GB DDR3-1333 (PC3-10600) SODIMM	VH640AA
	HP 4 GB DDR3 1333 (PC3 10600) SODIMM	VH641AA
Hard Drives	HP 500 GB SATA 6.0 Gb/s 7200 rpm	QK554AA
	HP (Bulk Pack) 500 GB SATA 6.0 Gb/s 7200 rpm	QK554A6
	HP 1 TB SATA 6.0 Gb/s 7200 rpm	QK555AA
	HP 80 GB SATA Solid State Drive	BM848AA
	HP 160 GB SATA Solid State Drive	BM321AA
Pointing Devices	HP USB 2-Button Optical Scroll Mouse	GW405AA
	HP USB PS/2 Washable Scroll Mouse	BM866AA
	HP Mouse Pad	AT485AA
Keyboards	HP USB CCID Smartcard Keyboard	BV813AA
	HP (Bulk Pack) USB CCID Smartcard Keyboard	BT824A6
	HP USB PS/2 Washable Keyboard	VF097AA
	HP USB PS/2 Washable Keyboard and Mouse	BU207AA
	HP Slim 2.4 Ghz Wireless Keyboard and Mouse	BL549AA
Security	HP Keyed Cable Lock	BV411AA
Miscellaneous	Belkin Promo 7-Outlet Surge Protector	AG290AA
	Belkin CAT 5E Patch Cable	AH122AA
	Belkin USB to Serial Adapter	EM449AA
	Belkin Starter Kit (Surge Protector, Patch Cable, Printer Cable)	RT174AA

Technical Specifications

System Unit	Dimensions (WxDxH)	With stand: 23 x 8.66 x 18.58 in 58.4 x 22 x 47.2cm	
	Weight	With stand: 18.7 lb (8.5 kg)	
	Shipping Carton Dimensions (WxDxH)	27.24 x 11.33 x 22.24 in 69.2 x 28.8 x 56.5 cm	
	Shipping Carton Weight	28.3 lb (12.85 kg)	
	Temperature	Operating	50° to 95° F (10° to 35° C)
		Non-operating	-22° to 149° F (-30° to 65° C)
	Relative Humidity	Operating	15% to 80% @ 26° C
	Altitude (unpressurized)	Operating	0 to 6,562 ft (0 to 2000 m)
		Non-operating	0 to 15,000 ft (0 to 4,572 m)
	Industry Standard Certifications	UL	Yes
		CSA	Yes
		FCC Compliance	Yes
		ENERGY STAR®	Yes
		EPEAT	Silver
		EUP Lot6 Tier2	Yes

For accessibility information on HP products, please visit: http://www.hp.com/accessibility.

Detailed Dimensions



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